

## GFC approves proposal for Environmental Research/Studies Centre

# FOLIO

University of Alberta

12 July 1990



Everywhere there seems to be construction taking place. Here, workers are repairing the Administration Building stairs.

## University involved in project to preserve decaying Canadian library books

The Andrew W Mellon Foundation has given more than \$1 million (\$875,000 US) to deal with the critical problem of decaying books in Canada's libraries, and the University of Alberta Library will be involved in the project.

The National Library of Canada will coordinate a three-year project with the research libraries of McGill University, Université Laval in Quebec City, University of Alberta, University of British Columbia and University of Toronto.

The objectives of the project are to promote a coordinated national approach to conservation and to avoid duplication of work and expense in the production of microforms to replace books too

brittle to be handled.

The project is expected to establish technical standards for microfilming as well as procedures and systems for reporting preservation activities and microfilm masters to a national register. The results of the work will be shared with Canadian librarians through a series of regional workshops and training sessions designed to assist them in implementing preservation programs in their own libraries.

Most of the \$12 million or more that has been spent to date in noncommercial projects for filming Canadian library materials has been funded by the public sector. The Mellon grant is the first private

contribution of its size to the preservation effort in Canada.

The grant is one of a small number given by the Foundation to support preservation efforts outside the United States and the Canadian project is designed to complement the American initiatives.

A management committee has been set up for the project chaired by Karen Turko, Preservation Librarian at the University of Toronto. The project manager is Ralph Manning of the National Library of Canada, who has been seconded to the project for a three-year period. University of Alberta contacts for the project include Chief Librarian Ernest Ingles and Merrill Distad. □

The University of Alberta needs an Environmental Research and Studies centre General Faculties Council decided 25 June. Council's support means that the Centre can request University funding and use the University's name in fundraising projects; the centre's budget, however, was not approved by GFC.

The proposal for the centre was developed by an ad hoc committee consisting of Steve Hruddy (chair), James Butler, Gurston Dacks and Ellie Prepas. Vice-President (Research) Bob James feels the centre will play an important role in furthering the University's environmental research by acting as a focus. "Currently, considerable research strength exists in the environmental field at our institution, and these endeavours can be enhanced significantly by having a centre which promotes collaboration and networking and sponsors research programs."

The proposal states: "The low profile of the University of Alberta has resulted in opportunities to acquire or promote major funding of environmental research in Alberta being missed."

As the committee sees it, the centre will require only a small commitment of centrally located office space. The centre will rely on research laboratory facilities within the various units in which environmental research is taking place. More than 50 academic staff have indicated recent or current activity in environmental research.

President Paul Davenport said, "We think there are good possibilities for private fundraising in this area and we will be investigating them."

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- The Alberta Heritage Foundation for Medical Research has a new president
- News from the General Faculties Council
- Museums worry about the fate of their collections

## GFC

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GFC's green light also flashed for:

- a combined BEd/BSc degree at Faculté Saint-Jean. The Faculté's mandate with respect to the five-year program is to produce teachers for francophone and French language schools. There is a need for science teachers at these institutions in Alberta and Western Canada, GFC was told. The combined BEd/BSc starts this September.
- a number of admission and academic standing changes in the Faculty of Science, effective in 1991-92. For the BSc General, there will be a continuation requirement of a minimum cumulative grade point average (CGPA) of at least 5.0 on all courses attempted while registered in the Faculty. First and second-year students who do not meet the minimum CGPA will be required to withdraw and are not eligible for probation. These

students can only return as transfer students after completing at least 30 credits elsewhere.

- revised wording to the employment policies found in Section 48 of the GFC Policy Manual. The new wording is: "The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women." Dr Kieren pointed out that the purpose of the change is to encourage the widening of the pool of qualified applicants. "The four groups are very underrepresented in most universities, including our own," she said.

- graduate teaching assistant awards to recognize annually the outstanding GTA in each department or nondepartmentalized Faculty who meets the adjudication criteria. The awards will be administered by the Committee for the Improvement of Teaching and Learning.

## Other matters

Council voted to disband the Writing Competence Committee. The motion to disband the WCC called for the Vice-President (Academic) to "structure another means for monitoring, liaison and promotion of writing competence activities." Dianne Kieren, Associate Vice-President (Academic), stated, "We're not saying by the disbanding of this committee that our work is done." The committee has been in existence for more than 10 years.

Peter Taft, reporting on behalf of Allan Warrack, Vice-President (Administration), told Council a program of renovations to the Health Sciences Animal Services facilities has been approved by the Facilities Development Committee. The work takes in 50,000 square feet of space. Fifty-five staff serve

the 120 researchers who use the facilities. No new staff will be added upon completion of the renovations.

Council received the annual report 1989 of the University Computing Advisory Group. The document states: "Owing to severe capital funding constraints, a number of capital initiatives continue to be held in abeyance: microcomputer laboratories (enhancements and seven new installations), increased network connectivity, replacement of processors, incremental service expansion, and capital funding for a numeric computing facility."

Brian Silzer, Associate Vice-President and Registrar, commented on this spring's impassioned plea by the Save the Library Committee and suggested that a similar plea from UCAG would not be inappropriate. □

## Jim Parker will be missed by University community

Jim Parker, former director of Archives and Collections at the University of Alberta, was killed in a car accident near Fort McMurray, 21 June. Parker had accepted a position with Alberta Culture just six months earlier.

The distinguished archivist's work on campus strengthened teaching and research in areas such as native studies, northern studies and Western Canadian studies.

Born 8 January, 1934, in Rimbey, Parker received his BA in History from the University of Alberta in 1961. He received a teacher's certificate in 1966 and an MA in History in 1967. He also received a diploma in Archives Administration from Carleton University in 1968.

Parker was appointed the first University Archivist at the University of Alberta in 1968 and Director of University Archives and Collections in 1986.

"He was a remarkable person, a skillful historian, a committed archivist, an inspirational leader of those who worked with him and for him, an Albertan with a tremendous sense of loyalty to our University and to our province, and a Canadian with a passionate interest and fondness for the North," President Paul Davenport said in addressing a recent meeting of the Canadian Museums Association.



Jim Parker.

Parker's thesis was entitled "Emporium of the North: Fort Chipewyan and the Fur Trade to 1835." Parker also designed, wrote and illustrated the University's 75th anniversary book "The University of Alberta, 1908-83."

President Davenport offered the University community's condolences to Parker's wife June Parker, to his four children and to his mother Hildred Parker. □

# FOLIO

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## Canadian museums worry about the fate of their collections

Speakers at a Canadian Museums Association conference session 20 June addressed concerns of university collections and museums and considered complementary roles and mutual support between universities and outside museums. Much common ground exists, suggested Chuck Sutyla, federal Department of Communications, who chaired the "Universities: Current and Future Museum Issues" session. "Museums are often described as universities for the masses . . . attempting to popularize knowledge."

Steve Cuumba, Assistant Director of Collections and Research, Canadian Museum of Nature, and Professor Anne Lambert (Clothing and Textiles) discussed issues of collections, education and training, collaboration and funding.

Regarding university collections, Dr Cuumba said museums worry about the fate of collections orphaned when professors die or retire. Professor Lambert zeroed in on care and access for all university collections as they are affected by lack of funding and problems with identified responsibility. With budgetary restraints and cutbacks, "Collections are even more

vulnerable than many other aspects of the university," she said.

In terms of training and succession planning, Dr Cuumba expressed concerns about the future of the kind of research done in museums. "Generally, in natural history museums, we're doing taxonomy, systematics, basic foundation work—that sort of research is not very sexy these days and is often not well supported," he reported, "and university training in these areas is slowing down." Museums will be facing a critical employment crunch in the next few years as people retire, and yet universities are "not producing enough scientists to fill the positions coming open." He proposes greater recognition by faculty and students that museums are good sources for research and suggests more linkages such as fellowships and cross-appointments between museums and universities, as well as more collaborative projects. "The equipment and expertise in

universities can be complemented by those in museums."

Education is a common goal for museums and universities, Professor Lambert stressed. "What is taught and how teaching is done at universities can have a profound effect on the museum community." She noted the untapped potential for use of artifacts as primary sources for research.

She also advocated more collaboration in research. "There is an amazing degree of autonomy over research conducted in universities . . . Yet it is amazing that so little research is done to meet the needs of museums." One problem is funding, she suggested, and universities and museums also need to improve networks and communication.

Funding is a problem for everyone in the museum community, the speakers agreed. Little money is available for museological research and funding agency policy "is often driven by budget," noted Dr Cuumba. The amount of money,

what it's available for, and access to it are the issues, he believes.

Universities and museums must change their perceptions of one another, he urged. "Some universities see museums as musty backwaters doing 19th century research, and museums see universities as having virtually unlimited funds and cheap labor from students. The reality is different and the key is to work together to solve mutual problems."

Professor Lambert concluded by recommending a study of Canadian university collections and their use, collaboration between museums and universities to establish common needs and interests in teaching and research, a review of policies and administration of funding agencies, support from the Department of Communications for the studies and resulting initiatives, and a Canadian Museums Association special interest group on universities and museums for action and communication.□

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### University Press distributes new catalogue

The University Press is distributing its new 32-page catalogue to academic staff. If anyone does not receive a copy and would like to, they should call 492-3662.

"The Press," says Director Norma Gutteridge, "was fortunate enough to receive a grant specifically for marketing and promotion from the Alberta Foundation for the Literary Arts this spring, and as an attractive catalogue is the best marketing tool a publisher has, the lion's share of the grant was spent on that."

Copies will be sent to booksellers, libraries, and scholars across the country as well as to University staff.

Mrs Gutteridge points out that as the catalogue was printed by Printing Services on campus, the grant has also made a contribution to the University's miscellaneous income.□

Communications Minister Marcel Masse announced 22 June the country's new museums policy. The policy provides an additional \$53 million to museums over the next five years.

At the Canadian Museums Association Conference, held this year at the University of Alberta, Masse said 90 percent of the funding would go directly into museum program funding and 10 percent to services to museums such as planning and technical advice, information dissemination, research and regional planning program delivery.

"The funds allocated to the various components of this program will gradually be increased, and the grants budget of the museums assistance program will reach \$18 million in 1994-95, an increase of 112 percent, an unparalleled increase in light of the current fiscal restraint," the Minister told approximately 400 members of the CMA.

Another significant element of the policy includes the development of aboriginal museums. The Minister said, "The interest of heritage collections warrants an increase in the funds

allocated for the preservation, safeguard and management of collections of the cultural heritage of the aboriginal peoples. The department will develop a program for the development of aboriginal museums, in cooperation with aboriginal organizations and the Canadian Museums Association."

CMA President Jean Trudel said, "The CMA is very pleased that there has been an increase in funding and support for museums, particularly in these very difficult financial times. While the new level of funding announced for the Museums Assistance Program is not as high as we had requested, it is an excellent beginning."

"We are particularly pleased that special attention has been paid to aboriginal museums and that a program is being created to meet their needs. The CMA strongly supports this initiative and together with the creation of the joint task force on museums and first peoples, we hope that many of the outstanding concerns of aboriginal peoples relating to heritage will be resolved."

The CMA president said he was concerned, however, that the new museums policy did not mention

the existing advisory committee and "we are worried that the Minister may no longer benefit from the good advice that active and highly competent museum professionals can give him."

One of the main recommendations made by the Withrow-Richard Task Force, created in 1986, was to give more autonomy to the national museums. "This will happen with the coming into effect of the Museums Act," the Minister said. The national museums corporation will be dismantled and four autonomous crown corporations will be established. The act prohibits government intervention in acquisition, disposal, conservation and utilization of museum materials, as well as intervention in museum programming or research.□

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### Correction

In last week's *Folio* it was stated that the final site grading would be completed at the Kurimoto Japanese Garden at the Devonian Botanic Garden. In fact, the final site grading has already been completed in 1988.

# Heritage Foundation for Medical Research has new president

Simply maintaining the status quo would be a less challenging mandate than a mandate to improve the Alberta Heritage Foundation for Medical Research (AHFMR), the newly appointed president says. "We all want to place our own stamp on things," says 56-year-old Matthew Spence.

Taking on the presidency of the AHFMR effective 1 July will be a challenge says the former Director of the Atlantic Research Centre for Mental Retardation and Professor of Pediatrics and Biochemistry at Dalhousie. His goal? "To do the best damn job I can," he says, adding that his predecessor, Lionel McLeod, will be a tough act to follow.

Dr Spence says one of the reasons the world is beating a path to Alberta and specifically to the AHFMR is because of the exemplary job Dr McLeod, the trustees and Alberta universities have done here in the province.

Dr Spence, who received his MD from the University of Alberta in 1959, says that after 20 years in

Halifax it was time to move on. Measured by the support the Foundation receives and by its reputation across Canada, a lot of good science is being conducted in the province, he says. His challenge is to nourish and cultivate an already large-scale research effort.

Dr Spence recognizes that he is arriving at a pivotal time in the Foundation's history. He sees some very real problems and challenges ahead. "As I've watched the exciting developments in basic and clinical research and seen the increasing need for innovative approaches to health research, I think Alberta may be the place it's going to come together. You've got superb universities, hospitals and health care facilities. You've got the Foundation establishing a first-class biomedical research effort and you've got a provincial milieu which is not hidebound by centuries of tradition and is prepared to look at innovative approaches."

Asked about the

recommendation made by the Premier's Commission on Future Health Care for Albertans to expand the AHFMR mandate to include research into health care systems, health status, intervention outcomes and promotion and prevention, Dr Spence says, "We all share concerns about the direction health care is going." But, he cautions, any new thrust the Foundation may want to assume must be complementary to the existing responsibilities and not in competition with those resources.

The former Chief of Research at the Izaak Walton Killam Hospital for Children in Halifax says people and governments are becoming increasingly interested in the health promotion areas. Although he confesses to not having any special expertise in the areas of disease prevention and wellness, he says it is becoming increasingly important to look at cost issues and to ask whether there are better ways of using finite resources. He points out that basic research still needs to be done on how to modify unhealthy lifestyles, what it is that leads people to continue unhealthy activities and how to maintain healthy bodies. "We're really only beginning to understand these areas," he says.

Another recommendation of the Premier's Commission called for the original Alberta Heritage Savings Trust Fund endowment to be increased annually at a minimum of one percent for 10 years, with the cumulative increase to accommodate the proposed expanded Foundation mandate. Is it enough? Dr Spence says that depends to some extent on what kinds of proposals develop and what types of activities come forward.

He adds that the Foundation should not do things unilaterally, but rather should continue to consult the entire research community. He praises the Foundation's partnership with the universities and hospitals, saying they've done a good job of using Foundation funding in imaginative ways. "One of the things the Foundation has been able to do is give the universities a recruiting edge to attract and hold a cadre of respected scientists who are doing the research."

Dr Spence, an MRC fellow and scholar whose research focus has



Matthew Spence.

been inherited diseases of children and fat metabolism disorders, says the province has benefited immensely from the activities of this cadre of young scientists and the spinoff activities will continue to be an important part of the Foundation's role. The second major consequence has been the high quality of health care as a result of the research base in the province, he points out.

What does the former vice-president of the Medical Research Council and adviser to MRC, the Royal College of Physicians and Surgeons of Canada and Health and Welfare Canada see as the primary reasons behind his selection as AHFMR leader? First of all, he believes he has an appreciation of the problems scientists experience and an understanding of the peer review process. As well, he is confident about relating to people who use the health care system extensively and their feelings about its costs and service availability.

The AHFMR supports research with funding from an endowment valued at \$500 million. Programs support a broad range of basic and clinical research at the Universities of Alberta and Calgary. In its submission to the Premier's Commission, the AHFMR stated: "The Foundation must exploit fully the potential benefits of its major investment in basic research. It must develop further, in a substantial way, clinical research in Alberta if the Foundation's objectives are to be met along with the secondary benefits to patient care and education. For these purposes the endowment of the Foundation must be supplemented."□

## Ukrainian Studies plays host to special visitors from Academy of Science

The Canadian Institute of Ukrainian Studies and the University Library recently played host to the Director of the Central Scientific Library of the Ukrainian Academy of Science, Mykola Senchenko, and two of his co-workers, T Rohovenko and T Arsienko.

The Ukrainians are touring libraries in North America and are particularly interested in automated systems. At the University of Alberta, they were given tours of

the Library's technical services and systems divisions and visited the Bruce Peel Rare Books Reading Room.

The delegation has been to Toronto and Ottawa and will also visit the University of Illinois, Harvard University, the New York Public Library and the Library of Congress.

The University of Alberta Library has microfilm and book exchange agreements with the Central Scientific Library.□

## Dow contributes to Engineering Faculty

Dow Chemical Canada Inc. has committed \$100,000 over five years to the Faculty of Engineering's fundraising campaign "Bridge to the 21st Century."

Dow's donation will be directed to an endowment fund to support a new Chair in safety and loss management. The donation will help develop curriculum aimed directly at providing undergraduate education in the safety and loss management field.

Doug Cattran, Vice-President of Manufacturing for Dow, said,

"Concern for safety has always been a cornerstone of Dow's operating philosophy. The opportunity to be part of a program that is aimed at improving this important skill in new graduates is a natural for Dow."

Dow will also participate in a committee that will be established to provide input and direction on course content.

"We hope that our contribution will help students understand the importance of safety and loss management," Cattran said.□



## Hyndman an astute observer of university-government relations

One of the voices of reason at the recent University of Alberta Management Workshop belonged to Lou Hyndman.

An alumnus of the University of Alberta, the honorary chairman of the highly successful Project Leadership Dialogue fundraising campaign and a former MLA and Minister of Education, Hyndman always keeps an ear to university and government ground.

Speaking to some 40 people who occupy various managerial positions on campus, he said there are pressures on governments as well as on universities. Albertans must realize that the small and open economy in the province is part of the world economy.

Brainpower and education form the key, the "trump card" for prosperity in the '90s, Hyndman said, adding that he hopes universities continue to hammer home this message. Good management, in his view, depends upon placing a premium on both creativity and multidisciplinary approaches and taking a strategic view. "Universities must look at all the resources they have on a 24-hour-a-day basis."

Measurement and evaluation will enter into everything we do, Hyndman said. People in government and universities take a dim view of those who play fast

and loose with important goals. "We're seeing an end of privilege."

Universities, he continued, are making a major mistake if they think that because they're universities, they automatically hold a lofty place in the community and should cater to the elite rather than to the majority of taxpayers. He suggested that universities be more alert to the possibilities of updating and improving those courses and programs of study that relate directly to Canada's economic and social ties with North America, Europe, and Japan.

Tension attends university-government relations and probably always will, Hyndman said. "The question is, will it be creative or destructive over the next eight to 10 years?" Governments, he indicated, feel that universities are unwilling or unable to empathize with the fiscal problems that they have.

The years 1976 to 1986 were "the good times". There's a danger that there will be misstep in the next two or three years and relations will become corrosive and the sharing of fiscal resources will be done on a cold, impersonal basis in marked contrast to the niceties that flourished in the late '70s and early '80s.

Government shouldn't be regarded as a monolith on the

other side of the river, but rather as a compendium of hundreds of thousands of information inputs which have more to do with the setting of postsecondary education policies than do the Premier or the Minister of Advanced Education, Hyndman said.

The populace of Alberta still feels that the University of Alberta is not in dire straits, Hyndman contended. "Research is not understood by 99 out of 100 members of the public. There has to be more effort given to making people realize that the basic search for knowledge is the reason for a university."

University-government relations must be accompanied by trust, by the feeling that nobody's going to be double crossed. Both parties must show a high degree of respect and there must be communication at all levels and understanding of each other's position. "We all want to build an Alberta that's tolerant and understanding," Hyndman said.

"There's an immense reservoir of talent here [U of A campus] to resolve almost any problem the government has. You see these problems almost daily in the paper. Take the initiative. Come forward, don't just react. Much good will will be generated."

Hyndman urged members of his audience to accept speaking

invitations at community league meetings and other functions around the city and to talk about the University at every opportunity. It's crucial that this be done at all levels, not just on the part of the President and Chairman of the Board, he said.

How do faculty and university administrators get through the maze of glass and brick walls that surround government? Mr Hyndman's advice is to speak to the appropriate MLA, and to keep going up the ladder (executive assistant, assistant deputy minister, deputy minister, etc). He said it's always possible to find allies around the Cabinet.

The University of Alberta Management Workshop 1990 was sponsored by the Advisory Committee on Professional Development. Participants heard about and discussed issues facing universities and considered a variety of management and faculty roles. Some of the other speakers were David Cooper, Bob Hinings and Brian Williams from the Faculty of Business; Doug Owram and Lynn Penrod from the Faculty of Arts; Judith Jossa-Stephen, Staff Development and Occupational Health Division, Government of Alberta; and C Adele Kent, a lawyer practising with Field & Field. □

## Alberta Cancer Board expects to expand patient care services at Cross Cancer Institute

The official groundbreaking ceremony for the Cross Cancer Institute's expansion and redevelopment project took place 25 June.

The expansion is expected to be completed in 1992 and the redevelopment of existing facilities is expected to be completed two years later.

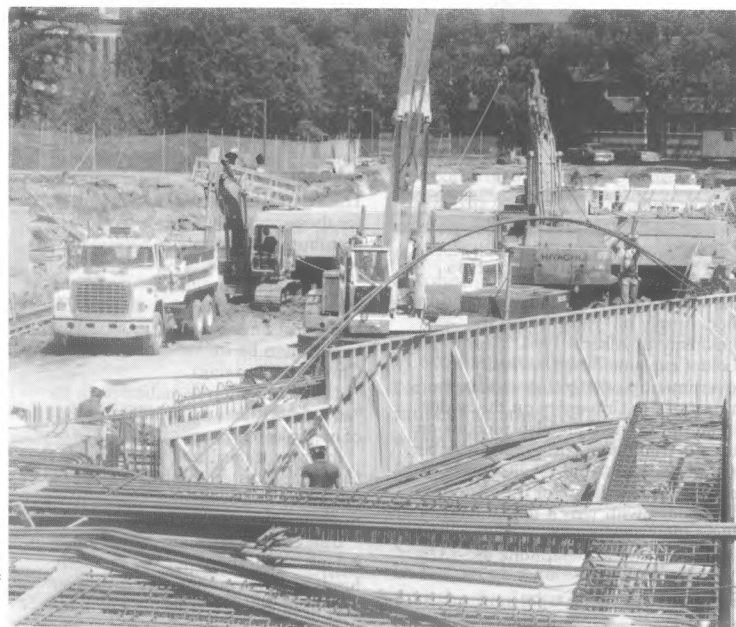
The \$96 million project will enable the Cross Cancer Institute to dramatically increase its capacity to extend patient services, the Chair of the Board of Directors Arthur Davis said.

The project includes expanded facilities for radiation treatment, outpatient clinic and treatment programs, and a consolidation of cancer research laboratories in a three-storey section of new construction.

The President of the Alberta Cancer Board Jean-Michel Turc points out that approval of the project means the government has recognized the exceptional needs of cancer patients and the pressures placed on facilities and staff by the continuously increasing number of patients diagnosed with cancer.

It's expected that one in three Albertans born today will develop cancer during their lifetime. Within the next 10 years, the number of new patients expected to use the Cross Cancer Institute will have increased by 50 percent.

Last year, the number of outpatient visits at the Institute increased by 10 percent and by seven percent the previous year. Officials at the Institute estimate that staffing will need to increase by 50 percent. □



A popular stopping point for people these days is the LRT construction site. As the project takes shape, onlookers are given a glimpse of how the elaborate project all fits together. Here, workers and equipment join forces to construct the University Station.

## EVENTS



### Talks

#### Chemistry

20 July, 11 am Toyoaki Kimura, Faculty of Engineering, Nagoya University, "Mechanism of Electric Conduction in New Switching Composites." E3-25 Chemistry Centre.

#### AHFMR

16 July, 9 am David Wilton, Department of Biochemistry, University of Southampton, UK, "Fatty Acid Binding Proteins-Uses and Abuses." 207 Heritage Medical Research Centre.

#### Alberta Heritage Foundation

20 July, 11:00 am Hikoya Hayatsu, Okayama University, Japan, "Blue cotton: Broad possibility in assessing mutagens and carcinogens in the environment." 4-70 Medical Sciences Building.

## CURRENTS



### U of A facts at your fingertips

The Office of Public Affairs has laid in a good supply of "Facts About the University of Alberta 1990." The 10-page booklet explains how University government works and discusses the impact of the University on the wider community. There are also sections on student enrollment, programs, number of staff, facilities, and revenues and receipts, plus a listing of the various universities with which the University of Alberta has agreements.

To order copies, telephone 492-2325.

#### Garneau Childcare Centre

The Garneau/University Childcare Centre is looking for volunteer members for its Board. We are a University-affiliated, non-profit centre. If you are interested, please call Adriana Strikwerda, Director, at 439-9050.

## Award opportunities

### Heart and Stroke Foundation of Canada

Educational and Behavioral Sciences Research Funds are available. Grant-in-Aid applications must be received no later than 1 September; Fellowship applications must be received no later than 15 November. For further information, contact: The Heart and Stroke Foundation of Alberta, 1825 Park Road SE, Calgary, Alberta T2G 3Y6. Telephone (403) 264-5549.

### Heart and Stroke Foundation of Canada Research Awards

Awards for the support of persons engaged in cardiovascular and cerebrovascular research may be in the form of: Research Traineeship, Research Fellowship, Research Scholarship, Nursing Research Fellowship, Visiting Scientist Fellowship, Medical Scientist Traineeship, Teaching Fellowship.

*Grants-in-Aid:* The Heart and Stroke Foundations are interested in research directed to the acquisition of new information and to elucidation of fundamental laws, as well as the development of useful materials, devices, systems or methods applicable to the cardiovascular and cerebrovascular field by the systematic use of scientific knowledge.

*Deadlines:* 1 September for Grants-in-Aid, Research Scholarship and Visiting Scientist. 15 November for Research Traineeship, Research Fellowship, Medical Scientist Traineeship, Nursing Research Fellowship.

Further details from the Heart and Stroke Foundation of Alberta at the above address.

### Nat Christie Foundation

A unique opportunity has been presented by the Nat Christie Foundation which has a history of generous support to this institution.

The "Foundation" has placed an advertisement in local and regional newspapers and magazines concerning sponsorship of a \$1M research program. The Foundation is seeking submissions for these research funds which will be distributed at the rate of \$200,000 per year over 5 years.

The Foundation has specifically requested this University to pre-screen and select *three* research proposals which would then be forwarded to the Nat Christie Foundation.

The Foundation as indicated in its "ad" would then make a final selection of *one* research proposal.

In order to facilitate this process, the University has established a committee to receive and review all research proposals.

Interested parties are requested to submit applications for the research funds with an outline of the program(s) proposed and the objectives to which it (they) would be directed. The opening date for receiving applications is 1 July 1990 and the closing date is 31 December 1990. The selection of the successful program will be made on 30 June 1991.

### Welch Foundation Scholarship 1992

A scholarship is offered to a promising scholar who wishes to contribute to the study of vacuum science techniques or their application in any field. This scholarship is offered for a one-year period starting 1 Sept. 1991 and valued at \$12,500 US. Applicants are asked to make arrangements for the proposed research program with a laboratory of their choice. Because of the international nature of the scholarship, strong preference will be given to applicants who propose to study in a foreign lab in which they have not yet studied. Candidates for the scholarship should have at least a Bachelor's Degree and a Doctor's Degree is preferred. For further information/applications contact WD Westwood, Advanced Technology Laboratory, BNR, Box 3511, Station C, Ottawa, Ontario, K1Y 4H7. The deadline is 15 April 1991.

## Positions

*The University of Alberta is committed to the principle of equity in employment.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

### Academic

#### Faculty Service Officer, Department of Biochemistry

The Department of Biochemistry invites applications for the position of Faculty Service Officer. Duties will include significant participation in undergraduate teaching, assistance with the development of undergraduate and graduate programs in Biochemistry, research participation and supervision. The successful applicant will have experience in teaching introductory biochemistry (preferably including intermediary metabolism), and proven ability to conduct and supervise research that demands expertise in molecular enzymology, protein crystallography, and molecular biology.

Applications should be directed to: Dr William A Bridger, Chair, Department of Biochemistry, University of Alberta, Edmonton, Alberta T6G 2H7. Deadline: 31 July 1990.

#### International Centre Coordinator of Services

Reporting to the Director, the successful candidate will have responsibility for services to foreign students provided at the International Centre.

The duties of the Coordinator of Services will include the following: -coordinating foreign student orientation and re-entry programs and services including orientation publications such as *Preparing for Your Departure*, and the *Foreign Student Handbook*, -coordinating the Orientation Resource Centre, -contributing to the cultural adjustment of foreign students and families by advising them on strategies to make optimum use of their stay in Canada, -coordinating information services for foreign students and departments on matters such as immigration, employment, and health care,

-coordinating the International Centre's immigration services, -coordinating the services to sponsored students, -providing supervisory support to other staff.

The ideal candidate will have the following knowledge and experience: -work and/or study experience in a cross-cultural setting, preferably abroad, -experience in working as a volunteer and supervising volunteers, -experience in planning, implementing, and evaluating cross-cultural programs, -administrative skills and experience, -problem-solving skills, -an understanding of the difficulties and opportunities facing foreign students and families, -an understanding of the role of student services in the working of post-secondary institutions, -an understanding of international development issues, -an ability to interpret Canadian society for foreign students and families, -ability to take initiative in a cooperative work setting, -computer literacy.

The salary for the Coordinator of Services starts at \$2484/month. The contract is to run from 1 August 1990 to 30 June 1991.

Letter of application and résumé should be received by Mrs Sharon Schultz at the International Centre no later than 13 July 1990.

### Support Staff

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are fill on an ongoing basis, these vacancies cannot be guaranteed beyond 6 July. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.*

*Positions available as of 6 July 1990.*

**The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.**

Clerk Typist, Grade 5, Athletics (Campus Recreation), (\$1,780-\$2,210)  
Clerk Typist, Grade 5, Faculty of Extension (Agriculture & Forestry and Protected Areas Management), (\$1,780-\$2,210)  
Clerk Steno, Grade 5, Faculty of Law, (\$1,784-\$2,210)  
Clerk Steno (term to 5 October 1990), Grade 5, Education - Field Experiences, (\$1,784-\$2,210)  
Clerk Steno, Grade 5, Romance Languages, (\$1,784-\$2,210)  
Clerk Steno, Grade 5, Student Counselling Services, (\$1,784-\$2,210)  
Magnetic Tape Librarian, Grade 5, University Computing Systems, (\$1,784-\$2,210)  
Administrative Clerk, Grade 6, Faculty of Extension (Land Economics and Real Estate), (\$1,952-\$2,433)  
Departmental/Executive Secretary, Grade 6, Centre for Cooperative Education (Faculty of Engineering), (\$1,952-\$2,433)  
Office Services Senior Clerk, Grade 6, (Graduate Services Coordinator), Chemistry, (\$1,952-\$2,433)  
Admission Records Assistant, Grade 7, Office of the Registrar, (\$2,029-\$2,663)

Admission Records Coordinator, Grade 8, Office of the Registrar, (\$2,287-\$2,895)  
 Computer Assistant, Grade 5, University Computing Systems, (\$1,784-\$2,210)  
 Technician, Grade 6, University Computing Systems, (\$1,952-\$2,433)  
 Administrative Assistant, Grade 7, Mining, Metallurgical and Petroleum Engineering, (\$2,125-\$2,663)  
 Dental Assistant, Grade 7, Dental Health Care, (\$2,125-\$2,663)  
 Graphics Technician, Grade 8, Office of Public Affairs, (\$2,296-\$2,895)  
 Administrative Assistant, Grade 8, Extension (Land Economics and Real Estate), (\$2,296-\$2,895)  
 Programmer Analyst, Grade 9, University Computing Systems, (\$2,484-\$3,152)  
 Administrative Assistant, Grade 9, Extension (Land Economics and Real Estate), (\$2,484-\$3,152)  
 Programmer Analyst, Grade 10, Psychology, (\$2,675-\$3,413)  
 Art Technician Demonstrator, Grade 10, Drama, (\$2,675-\$3,413)  
 Dental Technician, Grade 11, Restorative Dentistry, (\$2,867-\$3,679)

**The following positions retain salary rates in accordance with the previous classification system and pay plan.**

Laboratory Assistant I (Trust/part-time/term to 31 December 1990), Surgery, (\$8.29 per hour)  
 Clerk (Term), Housing and Food Services, (\$1,257-\$1,556)  
 Clerk Typist II (Trust/term to 15 September 1991), Western Board of Music, (\$1,350-\$1,677)  
 Medical Steno (Trust), Pediatrics, (\$1,677-\$2,143)  
 Medical Steno (Trust/term to 31 January 1991), Pediatrics, (\$1,677-\$2,143)  
 Administrative Clerk (Trust), Medicine, (\$1,677-\$2,143)  
 Biochemistry Technician I/II (Trust), Biochemistry, (\$1,738-\$2,537)  
 Technician I/II (Trust), Genetics, (\$1,738-\$2,537)  
 Technician II/Technologist I (Trust), Microbiology, (\$1,973-\$2,765)

## Advertisements

### Accommodation available

Victoria Properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

Visiting Toronto? Bed and breakfast in our restored home, minutes to the University of Toronto and downtown. Rates from \$45. Ashleigh Heritage Home (416) 535-4000.

Rent - Executive home, completely furnished, fall to spring, 12 minutes to campus. Nonsmokers, no pets. Phone 483-6300.

Rent - Riverbend, 1,400', three bedroom bungalow. Three bathrooms, new kitchen, family room, two fireplaces, developed basement, five appliances, double garage. Near schools. One-two year lease, \$1,200/month. Alice Mah, 438-7000.

Rent - Sydney, Australia, two bedroom, partially furnished house. 18 July 1990-15 January 1991. Near public transportation, schools, shops, universities, hospitals. \$300/week. Dr RE Leech, 452-1311 residence, 471-7659 business.

Lease - Custom designed, R2000, three bedroom, 1,700', furnished house. Riverdale, near downtown, University, schools. \$1,200. 1 September. 429-4277.  
 Rent - Large bedroom with private bath, with garage parking available. Close to transit. Shared kitchen, laundry. Phone after 7 pm, 471-5892.  
 Rent - Millcreek, luxury condominium. One bedroom, den furnished, exercise room, parking. Available 15 August, 7-8 month lease. Ideal for professional couple, visiting scholar. 469-4029. Nonsmoker.  
 Sale - "New" Victorian townhouses, near University, 2,200' finished floor space, fireplace, decks, double garage, four bathrooms, interlocking stone driveways. Stone, stucco finish. Occupancy, November 1990. Luke, 448-6000, NRS Willes Realty.  
 House to lease - Belgravia, near University. Well kept, two storey home. Three bedrooms, fourth bedroom/study, furnished, double garage. Available 1 September 1990-September 1991. \$1,000/month. Sue, 436-7138.  
 Rent - House near University. Available 1 September. Partially furnished, four bedrooms, two baths, five appliances, newly remodelled, freshly painted, sundeck, large treed yard, double garage. Nonsmokers. \$1,250/month. 437-5275, 492-6843.

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Rent - Sabbatical house, furnished, fireplace, overlooking Mill Creek. January-July 1991. 439-9393.

Sale - New from main floor up, 2,200', two storey. Four bedrooms, two fireplaces, three baths, double jacuzzi, double garage, nine skylights. \$194,900. Lawrence, Re/Max Realty, 475-5151. Belgravia area, near University.

Sale - Strathcona Place, easy walk to Hospitals, University. Mint bungalow, finished basement, upgrades including roof, siding, insulation, windows, weeping tile. Hardwood floors. Florence Thompson, Spencer Realty, 436-5250, 436-6833.

Sale - University/Parkallen, gleaming, four bedroom, semi. Beautiful yard, immediate possession, \$109,500. Ed Lastiwka, Royal LePage Realty, 437-7480, 446-3800.

Rent - South Garneau, two bedroom house with furnished suite. All appliances. Available 1 September. 444-6456.

Rent - Beautiful, unfurnished, four bedroom house. Library, formal

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Rent - Charming, two storey, 1916 house in Old Strathcona. Newly renovated, decorated inside and out. New kitchen, five appliances, three bedrooms, study, double garage, cedar deck, unfurnished. \$1,000/month. 439-4764.

Sale - Aspen Gardens bilevel. Five bedrooms, two baths, developed basement, laundry area, double garage, private backyard, mature

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Sale - Best there is, University area. Elegant, upgrades galore including wiring, plumbing, furnace, water heater. Double garage. Nancy/Glenn, 439-7000, Re/Max Real Estate.

Sale - Malmo, four bedroom split. Call Glenn/Nancy Steen, 439-7000, Re/Max Real Estate.

Sale - Fully upgraded semi, near University. A real charmer. \$99,900. Call Glenn/Nancy Steen, 439-7000, Re/Max Real Estate.

Sale - All new from ground up, near University, two storey. Three bedrooms, two full baths. Glenn or Nancy Steen. 439-7000, Re/Max Real Estate.

#### Accommodation wanted

Norwegian scientist to rent three bedroom apartment or house, furnished, Southwest Edmonton. One year from September. Ian, 435-7349, Dennis, 435-7370.

Sabbatical couple needs sublet for September and October. 439-7908.

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Professional family of five requires furnished accommodation for August and September in south - southwest location. Call 430-6206.

#### Goods for sale

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